

WHAT IS CLAIMED IS:

1. An isolated Robo polypeptide comprising SEQ ID NO:2, 4, 6, 8, 10 or 12, or a polypeptide domain thereof having at least 12 consecutive residues thereof and a Robo-specific activity, wherein said domain is encoded by neither EST yq76e12 nor yq76e12.
2. An isolated polypeptide according to claim 1, wherein said activity is selected from at least one of a Robo-competitive binding, Robo-specific antigenicity and a Robo-specific immunogenicity.
3. An isolated polypeptide according to claim 1, wherein said domain comprises at least one of a Robo immunoglobulin, fibronectin or cytoplasmic motif domain.
4. A recombinant nucleic acid encoding a polypeptide according to claim 1.
5. A cell comprising a nucleic acid according to claim 4.
6. A method of making a Robo polypeptide, comprising the following steps: incubating a host cell or cellular extract containing a nucleic acid according to claim 4 under conditions whereby the polypeptide encoded by the nucleic acid is expressed and recovering the expressed polypeptide.
7. An isolated Robo polypeptide made by the method of claim 6.
8. An isolated *robo* nucleic acid comprising a strand of SEQ ID NO:1, 3, 5, 7, 9 or 11, or a fragment thereof having at least 24 consecutive bases thereof, and sufficient to specifically hybridize with a nucleic acid having the sequence defined by the corresponding opposite strand, wherein the fragment is contained in neither EST yq76e12 nor yq76e12.
9. A method for modulating cell function or morphology comprising providing the cell with an agent which modulates activity of a Robo polypeptide or function of a *robo* gene, wherein the agent comprises a polypeptide according to claim 1 or a Robo-specific antibody.